

Submission Number:EB-22-00269

The supplementary material contains 07 tables black-white

Appendix

Table A1: Matrix of correlations

Variables	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
(1) Gender	1.0													
(2) Age	-0.1	1.0												
(3) Education	0.1	-0.1	1.0											
(4) Years of experience	0.1	0.7	-0.1	1.0										
(5) Region of residence	-0.1	0.1	0.2	-0.1	1.0									
(6) Land ownership	0.1	0.0	0.0	0.0	0.0	1.0								
(7) Seed gift	0.1	0.0	-0.1	-0.1	-0.2	0.0	1.0							
(8) Land fertility	0.0	0.1	0.1	0.0	0.0	0.0	0.0	1.0						
(9) Fertilizer use (numb of appli)	-0.1	0.1	0.1	0.0	0.1	-0.1	0.1	0.2	1.0					
(10) Herbicide (numb of appli)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0				
(11) Transportation costs	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	0.0	-0.1	0.0	1.0			
(12) Membership prof organiz	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.1	0.0	0.0	1.0		
(13) Access to credit	0.0	0.1	0.2	0.0	0.4	0.0	-0.2	0.1	0.1	0.0	0.0	0.1	1.0	
(14) Training	0.0	0.1	0.1	0.0	0.4	0.0	-0.1	0.0	0.2	0.0	0.0	0.1	0.2	1.0

Table A2.1: Variance inflation factor test

Adoption equation	VIF	1/VIF
Years of experience	11.277	0.089
Years of experience squared	10.036	0.1
Age	2.173	0.46
Region of residence	1.512	0.661
Access to credit	1.318	0.759
Training	1.297	0.771
Gender	1.113	0.898
Seed gift	1.109	0.902
Fertilizer use (number of application)	1.108	0.903
Education	1.096	0.913
Land fertility	1.06	0.943
Membership professional organization (numb. organiza)	1.06	0.944
Transportation costs	1.029	0.972
Land ownership	1.024	0.976
Herbicide (number of application)	1.013	0.987
Mean VIF	2.482	.

Table A2.2: Variance inflation factor test

Adoption equation	VIF	1/VIF
Age2	123.372	.008
Age	118	.008
Years of experience	11.95	.084
Years of experience squared	10.504	.095
Region of residence	1.511	.662
Access to credit	1.319	.758
Training	1.297	.771
Gender	1.114	.897
Fertilizer use (number of application)	1.112	.899
Seed gift	1.109	.902
Education	1.102	.907
Land fertility	1.06	.943
Membership professional organization (numb. organiza)	1.059	.944
Transportation costs	1.029	.972
Land ownership	1.024	.976
Herbicide (number of application)	1.014	.987
Mean VIF	17.349	.

Table A3.1: Variance inflation factor test

Income and poverty equation	VIF	1/VIF
Organic cotton (m ²)	1.529	0.654
1. Gender	1.281	0.78
Age	2.912	0.343
1. Education	1.112	0.899
2. Education	1.138	0.879
Years of experience	13.646	0.073
Years of experience squared	10.844	0.092
2. Region of residence	1.184	0.845
3. Region of residence	1.993	0.502
1. Land ownership	1.069	0.936
1. Seed gift	1.33	0.752
1. Land fertility	1.089	0.919
Fertilizer use (number of application)	1.579	0.633
Herbicide (number of application)	1.077	0.929
Transportation costs	1.064	0.94
Membership professional organization (numb. organiza)	1.14	0.877
1. Access to credit	1.338	0.747
1. Training	1.459	0.685
Mean VIF	2.599	.

Table A3.2: Variance inflation factor test

Income and poverty equation	VIF	1/VIF
Organic cotton (m ²)	1.532	.653
1. Gender	1.292	.774
Age	676.206	.001
Age ²	684.052	.001
1. Education	1.112	.899
2. Education	1.14	.877
Years of experience	17.767	.056
Years of experience squared	15.347	.065
2. Region of residence	1.185	.844
3. Region of residence	2.01	.497
1. Land ownership	1.07	.935
1. Seed gift	1.33	.752
1. Land fertility	1.089	.918
fertilizer	1.587	.63
Herbicide (number of application)	1.086	.921
Transportation costs	1.064	.94
Membership professional organization (numb. organiza)	1.14	.877
1. Access to credit	1.341	.746
1. Training	1.461	.684
Mean VIF	74.358	.

Tableau A4 : Equation of participation in training

Training (Probit regression)	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
Region of residence	.659	.053	12.45	0	.555	.763	***
Gender	.226	.138	1.64	.101	-.044	.497	
Age	.016	.005	3.43	.001	.007	.026	***
Education	-.013	.061	-0.21	.836	-.133	.108	
Years of experience	-.018	.006	-3.02	.003	-.03	-.006	***
Land ownership	.352	.278	1.27	.204	-.192	.897	
Seed gift	-.717	.296	-2.42	.015	-1.298	-.137	**
Land fertility	-.123	.094	-1.31	.19	-.308	.061	
Fertilizer use (number of application)	.385	.081	4.74	0	.226	.544	***
Transportation costs	.005	.003	1.62	.106	-.001	.01	
Membership professional organization (numb. organiza)	.268	.062	4.33	0	.147	.39	***
Access to credit	.071	.111	0.64	.52	-.146	.289	
Herbicide (number of application)	-.288	.25	-1.15	.249	-.777	.202	
Constant	-2.422	.515	-4.70	0	-3.431	-1.412	***
Mean dependent var		0.330	SD dep var			0.470	
Pseudo r-squared		0.185	Number of obs			1416.000	
Chi-square		331.421	Prob > chi2			0.000	
Akaike crit. (AIC)		1492.176	Bayesian crit. (BIC)			1565.754	

*** $p < .01$, ** $p < .05$, * $p < .1$

Tableau A5: Equation of professional organisation membership

Probit regression							
Professional organisation membership	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]		Sig
Region of residence	-.083	.083	-1.00	.316	-.246	.079	
Gender	-.056	.223	-0.25	.801	-.494	.381	
Age	.007	.008	0.91	.365	-.009	.023	
Education	.066	.102	0.64	.519	-.135	.267	
Years of experience	-.015	.01	-1.50	.133	-.034	.004	
Land ownership	.605	.303	2.00	.046	.011	1.198	**
Seed gift	.565	.323	1.75	.08	-.068	1.197	*
Land fertility	-.391	.137	-2.86	.004	-.659	-.124	***
Fertilizer use (number of application)	.221	.139	1.59	.111	-.051	.492	
Transportation costs	-.002	.004	-0.55	.581	-.01	.006	
Access credit	.091	.184	0.50	.62	-.269	.451	
Constant	.458	.55	0.83	.405	-.62	1.537	
Mean dependent var		0.955	SD dependent var				0.208
Pseudo r-squared		0.039	Number of obs				1416.000
Chi-square		20.262	Prob > chi2				0.042
Akaike crit. (AIC)		525.179	Bayesian crit. (BIC)				588.246
*** $p<.01$, ** $p<.05$, * $p<.1$							